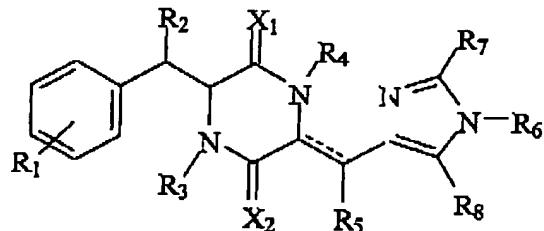


Appl. No. : 10/632,688
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LISTING OF THE CLAIMS

1. (Original) A method of treating and/or preventing at least one fungal infection in a mammal afflicted with at least one fungal infection which comprises administering an antifungally effective amount of a compound sufficient for such treating or preventing, and wherein the compound has the following structure:



wherein:

R₁, R₂, R₅, R₇, and R₈ are each separately selected from the group consisting of a hydrogen atom, a halogen atom, and saturated C₁-C₂₄ alkyl, unsaturated C₁-C₂₄ alkenyl, cycloalkyl, cycloalkenyl, alkoxy, cycloalkoxy, aryl, substituted aryl, heteroaryl, substituted heteroaryl, amino, substituted amino, nitro, substituted nitro, phenyl, and substituted phenyl groups,

R₃, R₄, and R₆ are each separately selected from the group consisting of a hydrogen atom, a halogen atom, and saturated C₁-C₁₂ alkyl, unsaturated C₁-C₁₂ alkenyl, cycloalkyl, alkoxy, cycloalkoxy, aryl, substituted aryl, heteroaryl, substituted heteroaryl, amino, substituted amino, nitro, and substituted nitro groups,

X₁ and X₂ are separately selected from the group consisting of an oxygen atom, and a sulfur atom, and

the dashed bond represents a bond selected from the group consisting of a carbon-carbon single bond and a carbon-carbon double bond..

2. (Original) The method of Claim 1, wherein the fungal infection is selected from the group consisting of an Aspergillosis infection, blastomycosis infection, Candidiasis infection, Coccidioidomycosis infection, Cryptococcosis infection, Histoplasmosis infection, Paracoccidioidomycosis, Sporotrichosis and, and Mucormycosis infection.

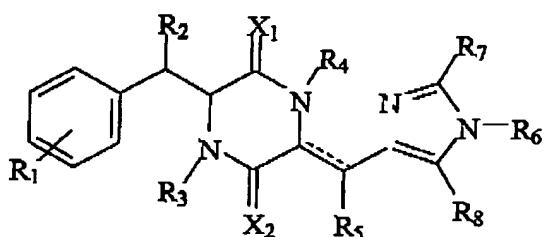
3. (Original) The method of Claim 2, wherein the Aspergillosis infection is invasive pulmonary aspergillosis.

✓ Appl. No. : 10/632,688
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4. (Original) The method of Claim 2, wherein the Mucormycosis infection is craniofacial mucormycosis or pulmonary mucormycosis.

5. (Original) The method of Claim 2, wherein the Candidiasis infection is retrograde candidiasis of the urinary tract.

6. (Original) A pharmaceutical composition for treating or preventing fungal infection comprising an antifungally effective amount of a pharmaceutically acceptable carrier and a compound having the structure:



wherein:

R₁, R₂, R₅, R₇, and R₈ are each separately selected from the group consisting of a hydrogen atom, a halogen atom, and saturated C₁-C₁₄ alkyl, unsaturated C₁-C₂₄ alkenyl, cycloalkyl, cycloalkenyl, alkoxy, cycloalkoxy, aryl, substituted aryl, heteroaryl, substituted heteroaryl, amino, substituted amino, nitro, substituted nitro, phenyl, and substituted phenyl groups.

R₃, R₄, and R₆ are each separately selected from the group consisting of a hydrogen atom, a halogen atom, and saturated C₁-C₁₂ alkyl, unsaturated C₁-C₁₂ alkenyl, cycloalkyl, alkoxy, cycloalkoxy, aryl, substituted aryl, heteroaryl, substituted heteroaryl, amino, substituted amino, nitro, and substituted nitro groups.

X₁ and X₂ are separately selected from the group consisting of an oxygen atom, and a sulfur atom, and

the dashed bond represents a bond selected from the group consisting of a carbon-carbon single bond and a carbon-carbon double bond.

7. (Original) The composition of Claim 6, wherein the fungal infection is selected from the group consisting of an Aspergillosis infection, blastomycosis infection, Candidiasis infection, Coccidioidomycosis infection, Cryptococcosis infection, Histoplasmosis infection, Paracoccidioidomycosis, Sporotrichosis and, and Mucormycosis infection.

✓ Appl. No. : 10/632,688
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8. (Original) The composition of Claim 7, wherein the Aspergillosis infection is invasive pulmonary aspergillosis.

9. (Original) The composition of Claim 7, wherein the Mucormycosis infection is craniofacial mucormycosis or pulmonary mucormycosis.

10. (Original) The composition of Claim 7, wherein the Candidiasis infection is retrograde candidiasis of the urinary tract.